

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042122\
 Data File : VN072120.D
 Acq On : 21 Apr 2022 13:09
 Operator : JC\MD
 Sample : VN0421WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0421WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/22/2022
 Supervised By : Mahesh Dadoda 04/22/2022

Quant Time: Apr 22 01:22:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.081	168	516145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	795366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	718453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	293319	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	277403	47.078	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.160%
35) Dibromofluoromethane	8.016	113	243046	51.930	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.860%
50) Toluene-d8	10.439	98	952909	49.771	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.540%
62) 4-Bromofluorobenzene	12.727	95	316971	51.190	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.380%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.069	85	103496	25.222	ug/l	98
3) Chloromethane	2.299	50	111241	21.394	ug/l	99
4) Vinyl Chloride	2.446	62	103642	18.150	ug/l	96
5) Bromomethane	2.846	94	75465	20.330	ug/l	96
6) Chloroethane	3.010	64	65862	16.033	ug/l	97
7) Trichlorofluoromethane	3.375	101	154621	21.283	ug/l	100
8) Diethyl Ether	3.822	74	64456	20.994	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.216	101	96667	21.592	ug/l	95
10) Methyl Iodide	4.422	142	125599	20.070	ug/l	100
11) Tert butyl alcohol	5.357	59	96238	100.642	ug/l	97
12) 1,1-Dichloroethene	4.181	96	90659	21.280	ug/l	88
13) Acrolein	4.046	56	47633	40.854	ug/l	99
14) Allyl chloride	4.840	41	134270	19.418	ug/l	93
15) Acrylonitrile	5.545	53	287599	103.473	ug/l	98
16) Acetone	4.281	43	213290	84.699	ug/l	89
17) Carbon Disulfide	4.528	76	212835	21.774	ug/l	100
18) Methyl Acetate	4.851	43	125235	19.149	ug/l	97
19) Methyl tert-butyl Ether	5.610	73	324545	20.506	ug/l	97
20) Methylene Chloride	5.093	84	112734	21.240	ug/l	95
21) trans-1,2-Dichloroethene	5.593	96	97619	20.873	ug/l	93
22) Diisopropyl ether	6.487	45	305933	20.323	ug/l	98
23) Vinyl Acetate	6.428	43	1263573	105.554	ug/l	99
24) 1,1-Dichloroethane	6.381	63	186215	21.072	ug/l	99
25) 2-Butanone	7.328	43	349478	96.267	ug/l	94
26) 2,2-Dichloropropane	7.322	77	155577	20.493	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	121049	21.107	ug/l	97
28) Bromochloromethane	7.651	49	66276	18.591	ug/l	94
29) Tetrahydrofuran	7.681	42	232759	99.019	ug/l	96
30) Chloroform	7.816	83	193780	20.767	ug/l	99
31) Cyclohexane	8.092	56	166811	20.817	ug/l	96
32) 1,1,1-Trichloroethane	8.010	97	161415	20.220	ug/l	97
36) 1,1-Dichloropropene	8.216	75	136175	20.835	ug/l	98
37) Ethyl Acetate	7.410	43	141052	19.717	ug/l	98
38) Carbon Tetrachloride	8.204	117	139572	21.790	ug/l	99
39) Methylcyclohexane	9.457	83	167268	21.500	ug/l	97
40) Benzene	8.457	78	449207	21.757	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	73531	20.992	ug/l	95
42) 1,2-Dichloroethane	8.528	62	143145	20.043	ug/l	97
43) Isopropyl Acetate	8.557	43	226978	19.076	ug/l	97
44) Trichloroethene	9.210	130	113285	21.298	ug/l	96
45) 1,2-Dichloropropane	9.486	63	103014	19.972	ug/l	99
46) Dibromomethane	9.575	93	72269	20.637	ug/l	97
47) Bromodichloromethane	9.757	83	145371	21.088	ug/l	98
48) Methyl methacrylate	9.557	41	97681	19.787	ug/l	93
49) 1,4-Dioxane	9.563	88	44801	373.891	ug/l	99
51) 4-Methyl-2-Pentanone	10.328	43	691813	101.126	ug/l	96
52) Toluene	10.504	92	286882	21.981	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	152898	21.163	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	167370	20.966	ug/l	94
55) 1,1,2-Trichloroethane	10.892	97	115421	21.488	ug/l	97
56) Ethyl methacrylate	10.757	69	165287	21.571	ug/l	91
57) 1,3-Dichloropropane	11.039	76	193354	21.530	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	198623	95.450	ug/l	99
59) 2-Hexanone	11.080	43	494552	102.679	ug/l	95
60) Dibromochloromethane	11.233	129	117678	22.469	ug/l	100
61) 1,2-Dibromoethane	11.339	107	115027	21.755	ug/l	97
64) Tetrachloroethene	10.975	164	103252	21.764	ug/l	98
65) Chlorobenzene	11.769	112	305947	21.267	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.833	131	112822	21.734	ug/l	99
67) Ethyl Benzene	11.839	91	530098	21.767	ug/l	99
68) m/p-Xylenes	11.951	106	412932	44.130	ug/l	99
69) o-Xylene	12.274	106	202330	21.785	ug/l	99
70) Styrene	12.292	104	318594	22.640	ug/l	98
71) Bromoform	12.451	173	87993	22.259	ug/l #	99
73) Isopropylbenzene	12.574	105	519546	21.020	ug/l	100
74) N-amyl acetate	12.386	43	135896	19.189	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.821	83	170488	20.673	ug/l	98
76) 1,2,3-Trichloropropane	12.874	75	142776m	21.012	ug/l	
77) Bromobenzene	12.857	156	124023	20.016	ug/l	98
78) n-propylbenzene	12.916	91	541833	20.840	ug/l	99
79) 2-Chlorotoluene	13.004	91	343953	20.628	ug/l	99
80) 1,3,5-Trimethylbenzene	13.051	105	423051	21.602	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	44445	20.270	ug/l	95
82) 4-Chlorotoluene	13.098	91	314405	20.342	ug/l	99
83) tert-Butylbenzene	13.316	119	379289	21.187	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	414019	21.668	ug/l	99
85) sec-Butylbenzene	13.498	105	496456	21.393	ug/l	98
86) p-Isopropyltoluene	13.610	119	402203	21.737	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	203779	20.643	ug/l	99
88) 1,4-Dichlorobenzene	13.686	146	197429	20.500	ug/l	99
89) n-Butylbenzene	13.939	91	277913	20.251	ug/l	99
90) Hexachloroethane	14.204	117	70924	20.939	ug/l	93
91) 1,2-Dichlorobenzene	13.986	146	204261	21.077	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	25319	19.793	ug/l	96
93) 1,2,4-Trichlorobenzene	15.257	180	87553	20.059	ug/l	100
94) Hexachlorobutadiene	15.362	225	58746	20.553	ug/l	98
95) Naphthalene	15.504	128	215767	18.728	ug/l	100
96) 1,2,3-Trichlorobenzene	15.692	180	84434	20.184	ug/l	100

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

